

Kevin Jacob Senoj

Software Engineer | AI/ML Systems | Distributed Systems | C++ | Java | Python

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Summary

Software Engineer at Oracle Financial Services Software building and customizing production bank software, distributed backend services, and internal AI solutions using Java, Python, and cloud-native technologies. Experienced designing scalable architectures, deploying AI-powered applications, and building production RAG pipelines.

Experience

Associate Consultant, Oracle Financial Services Software – Bangalore, India Aug 2024 – present

- Developed and customized banking software, focusing on backend services, microservices architecture and core banking modules.
- Built production RAG pipelines and LLM-powered workflows for internal tools.
- Won Pace-Setter award for contributions to AI solutions and implementation.

Software Development Intern, IIT Bombay e-Yantra Systems Innovation Program – Mumbai, India May 2024 – July 2024

- Designed distributed ESP32 firmware for agricultural edge deployments.
- Implemented leader election, distributed synchronization, and fault-tolerant communication protocols.
- Optimized embedded networking for resilient autonomous systems.
- Built reusable embedded software modules for scalable edge deployments.

Software Development Intern, Ayu Health Hospitals – Remote Apr 2023 – Aug 2023

- Built OCR and Document AI processing pipelines for healthcare documents.
- Improved extraction accuracy by ~30% while reducing manual processing effort by ~75%.

Projects

ClinicPilot (clinicpilot.app) Aug 2025 – present

Production multi-tenant healthcare management platform, involving complete AI enabled workflows.

- Built scalable FastAPI, PostgreSQL, and Redis backend serving production workloads.
- Integrated AI-assisted clinical workflows with secure multi-tenant architecture.
- Designed modular service architecture supporting future AI integrations and increasing requirements.

Sensei - Wearable AI Memory Assistant June 2026 – present

Wearable AI memory assistant.

- Developing embedded firmware for an ESP32-S3 wearable integrating audio, vision, and real-time communication.
- Building low-latency streaming and device control pipelines between the wearable and cloud AI services.
- Designing reliable bidirectional communication enabling server-side AI reasoning with seamless on-device execution.

Cloak (trycloak.in) June 2026 – present

Local-first AI platform for secure document anonymization.

- Built local-first document processing pipelines combining OCR, PII detection, and offline AI inference.
- Designed extensible plugin architecture supporting multiple OCR engines and inference providers.
- Developed secure document anonymization workflows that preserve privacy by processing data entirely on-device.

Education

Government Engineering College, Thrissur, B.Tech in Computer Science and Engineering – Nov 2020 – July 2024
Thrissur, India

- CGPA: 8.81 / 10.0
- 4th among 441 teams in IIT Bombay's International e-Yantra Robotics Competition.
- Selected for TBI and KSUM startup grants.

Skills

Languages: C++, Java, Python, C, SQL, JavaScript, TypeScript, Bash, HTML, CSS

AI & ML: LLMs, RAG, ML Infrastructure, Computer Vision, OCR, NLP, Vector Search, Knowledge Graphs, Prompt Engineering

Backend: Spring Boot, FastAPI, PostgreSQL, Redis, Docker, REST APIs, Microservices, Cloud-Native Architecture

Systems: Distributed Systems, Embedded Systems, ESP32, Linux, Git, CI/CD, Networking, Security